Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/14/2020 09:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124989	-1	3.30	125046	3.28
Blue	F	SSC	125000	124645	-1	1.72	125358	1.74
Blue	E	FITC	15892	15554	-3	2.94	339	21.80
Blue	D	PE	29999	29421	-2	2.04	641	15.81
Blue	B	PerCP-Cy5-5	43732	43104	-2	3.90	1154	22.15
Blue	A	PE-Cy7	30845	30858	0	6.66	595	44.69
Red	C	APC	46112	44888	-3	2.45	1584	12.41
Red	A	APC-Cy7	30458	29334	-4	2.35	786	12.17
Violet	B	V450	7918	7626	-4	4.41	433	13.64
Violet	A	V500	32171	31654	-2	4.24	736	10.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17055	17.47	656	35	N/A	N/A	Pass
Blue	F	SSC	57225	1.29	586	27	N/A	N/A	Pass
Blue	E	FITC	61	68.96	555	12	0.0165	137	Pass
Blue	D	PE	135	53.06	561	13	0.1397	274	Pass
Blue	B	PerCP-Cy5-5	210	53.09	669	13	0.0075	19	Pass
Blue	A	PE-Cy7	106	114.65	716	18	0.0090	21	Pass
Red	C	APC	378	25.72	588	4	0.0230	127	Pass
Red	A	APC-Cy7	173	29.65	559	3	0.0053	1160	Pass
Violet	B	V450	65	60.23	463	5	0.0416	1611	Pass
Violet	A	V500	110	32.95	479	5	0.0216	568	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.93	-31.85	1.02
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.43
Red	15.58	13.60 - 20.40	N/A	N/A	28.64	29.68	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9797

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments